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## Product Datasheet

### Human IL4 protein, His tag (active), Unconjugated GTX00093-PRO

Article Name	Human IL4 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00093-PRO
Supplier Catalog Number	GTX00093-pro
Alternative Catalog Number	GTX00093-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">3565</a>
UniProt	<a href="#">P05112</a>
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	HEK293 cells
Form	Lyophilized powder
Sequence	N-terminal His-Tag, His25~Ser153 (NP_000580.1)

#### Application Notes

Interleukin 4 (IL4) is a cytokine that induces differentiation of naive helper T cells and monocyte. As reported, IL-4 would induce the differentiation of THP-1 cells into dendritic cells and macrophages in vitro. THP-1 cells were cultured in RPMI-1640 and stimulated with 2 ng/ml IL-4, after 12 days of stimulation, cell bodies enlarged with extending pseudopodia, and vesicular bodies appeared within the cells, which showed a morphological characteristics of dendritic cells and macrophages.